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中国菊科菜蓟族植物研究（三）

石　铸

NOTULAE DE PLANTIS TRIBUS CYNAREARUM FAMILIAE COMPOSITARUM FLORAE SINICAE (III)

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本文是中国菊科菜蓟族植物研究继三。发现了久苓菊属（*Jurinea*）、刺头菊属（*Cousinia*）、蓟属(*Cirsium*)、及矢车菊属（*Centaurea*）的一些新种。现将这些新种记载如下。

刺头菊属 (Cousinia)

1. **丝毛刺头菊**　新种

C. lasiophylla Shih, sp. nov.

Herba biennis (?), longe ramosa, ramis purpurascentibus, striato-sulcatis, arachinoideo-tomentusis. Folia basalia et inferiora ignota, superiora ambitu anguste elliptica, epetiolata, 9.5—14.5cm. longa cum apie spinis, circiter 4.5cm lata cum margine spinis, apice in spinas lonigores acuminata, margine ciliato-spinulosa, spinulis 0.5—1.5mm longis et irregulariter spinoso-dentata, dentium apicibus longe spino-

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sa, spinis 2.5—5mm longis, omnino ciliato-spinulosis et spinis flavescentibus; folia suprema gradatim minoriora, ovata, ovato-lanceolata, elliptica vel oblanceolota, 4—6cm longa, 1—4cm lata, margine spinoso-dentata vel ciliato-spinulosa rarius subintegra; omnia textura rigida, utrinque arachinoidea, subtus dense, supra plerumque glabrescentia. Capitula ad apicem caulis et ramorum singularia. Involucrum late campanulatum, pallide albo-arachinoideum, absque spinis 4.5—5cm in diametro; phylla 7-seriata, exteriora mediaque textura rigida, triquetro-lanceolata, spinis inclusis 2.6—3.2cm longa, 5—6 mm lata, in spinam terminalem costa media subtus prominate argute triquetram 3—5mm longam sensium attenuata, interiora et intima lanceolato-elliptica, linearia vel anguste linearia, 2.5—2.8cm longa, 1—3mm lata, apice acuminata, pallida, rigide membranacea, margine ciliata. Corolla purpurea, 2.2cm longa, tubo 1cm longo. Receptaculi setae scabridae. Achaenia compressa, obovata, 5mm longa, 2mm lata, brunneo-maculata.

Xinjiang (新疆), Wuqia (乌恰), alt. 3000m. 29. Ⅶ. 1978, Inst. Bor.-Occ. Bot. (西北植物所), 2135 (**Typus**, PE).

2. 硬苞刺头菊 新种 照片1

C. sclerolepis Shih, **sp. nov.**

Species *C. lasiophyllae* Shih, affinis est, sed a qua differt involucri phyllis internis et intimis apicibus in appendices circiter 0.5mm. longas prominentes dilatatis, caulibus eramosis.

Planta biennis. Radix verticalis. caules oligomeros fasciculatos edens. Caulis eramosus, purpureus, densius arachinoideo-floccosus, 30cm altus. Folia basalia bari in petiolos cinereos, dense arachinoideo-floccosos ad 6cm longos angustata, lamina ambitu anguste elliptica, apicis et maiginis spinis inclusis 12 cm longa, 6cm lata, pinnatipartita vel piunatifida, lobis lateralibus 5—6-jugis, late ovatis, margine 3—7-irregulariter spinoso-denticulatis, apice spinis longioribus, ad 1cm longis,

margine spinis brevioribus 3—6mm longis; folia caulina minora, epetiolata, basalibus similia; suprema lanceolata; omnina fere concolora, cinereo-viridia, sparce arachnoidea, textura rigida. Capitula ad apicem caulis solitaria. Involucrum late campanulatum, laxe arachinoideum, 4—4.5cm in diametro; phylla 6—e-seriata, exteriora mediaque textura rigida, longe subulato-elliptica vel anguste subulato-elliptico-lanceolata, spinis inclusis 1.8—3.3cm longa, 3—3.5mm lata, in spinam terminalem costa media subtus prominata argute triquetram sensium attenuata; interiora et intima rigide membranacea, anguste oblanceolata, late linearia, 2.3—2.5cm longa, 2—3mm lata, apicibus in appendices longas promenentes dilatata. Receptaloli setae serrulata. Corolla purpurea, 2cm longa, tubo 1.1cm longo. Achaenia oblique obovata, compressa, 5mm longa, 2.5mm lata, apice rotundata, edentata, edentata, tenuiter elevata, lineata. laevia, pallide nigra, emaculata, epappus.

Xinjiang (新疆): Wuqia (乌恰), alt. 3200m. 29. Ⅶ. 1978, Inst. Bor.-Occ. Bot (西北植物研究所), 1766 (**Typus**, PE).

苋苓菊属 (Jurinea)

1. 软叶苋苓菊 新种

J. flaccida Shih, sp. nov.

Haec species a *J. lanipe* Iljin foliis pinnatipartitis, segmentis margine dentatis vel undulatis vel basi singularibus lobis aspectu abhorret.

Herba perennis, ad 50cm alta; radix crassiuscula, verticalis, caules solitari vel pauci, fere a basi longe ramosi, griseo-virides vel grisei, dense vel sparsium arachinoidei, glandulis sessilibus instructi. Folia basalia ambitu anguste elliptica, 7—10cm longa, 2cm lata, in petiolos 4—6mm longos attenuata, lamina pinnatipartita, segmentis 5—10-jugis, mediis majoribus, ad 3—5mm latis, omnibus anguste ellipticis, apice obtusis, margine undulatis, vel dentatis vel basi plerumque lobis singularibus; folia caulina minora, epetiolata, basalibus similia;

summa lineari-subulata; omnia textura mollia, utrinque discolor, supra viridia vel pallide viridia, minite punctato-glandulosa, glabra vel laxe arachinoidea, subtus albo-tomentosa. Capitula grandiuscula, solitaria. Involucro late crateriformi, 2.5—3cm in diamitro, aracidei; involucri phylla 6-seriata, imbricata, adpressa, exteriora anguste triangulata vel anguste triangulato-lanceolata, 7—10mm longa, 1—2mm lata, media lanceolata, 1.1—1.3cm longa, 2mm lata, interiora subulato-lanceolata, 1.8cm longa, 1.5mm lata; interiora apice breviter acuminata, intima versus apicem longe acuminata; omnina erecta, apice non reclinata, Corolla purpurea, glandulis sessilibus obsita, 1.6cm longa, gradatim in stipitem longum attenuata. Achaenia ferruginea echinata, non matura, apice margine dentato-coronata. Pappus albo niveus, pluriseriatus, non caducus, setis in annnlum non concretis, barbellatis, duabus longioribus inclusis 1.1 cm longis.

Xinjiang (**新疆**) : Zhaosu (昭苏), alt. 1200—1700m. 7. Ⅵ. 1965, Zhou Tai-yan (周太炎)) 65058 (**Typus**, PE).

2. **长莛苓菊** 新种 照片2

J. scapiformis Shih, sp. nov.

Herba perennis, caule solitari, 45cm alto, eramoso, sparsium arachinoideo, sub capitulo dense tomentoso. Folia basalia numerosa, ambitu longe elliptica, pinnatipartita, petiolis inclusis 13—20cm longa, 2—3cm lata, in petiolos 5—9cm longos, basibus dilatatos seneium transentia, segmentis lateralibus 4—6-jugis, lanceolatis vel anguste ellipticis, margine non revolutis, apice acutis vel acuminatis, terminalibus lateralibus similis. Folia caulina pauca, basalibus similia, sub capitulo plerumque linearia vel lineari-subulata, indivisa. Omnina utrinque fere discolora, supra viridia, glabra vel sparsium archinoidea, subtus cinereo-arachinoideo-tomentosa, Capitulum solitarium Involucrum crateriforme, 2cm in diametro; phylla 5-seriata, exteriora mediaque anguste triangulata vel lanceolata, 6—10cm longa, 1—2.5mm lata, interiora lanceolata, 1.5—2cm

longa, omnina apice aristato-acuminata, exteriora mediaque apice reflexa, interiora apice erecta. Corolla rosea, 1.3cm longa, sparsim glandulosa, in stipitem 4mm longum sensium attenuata. Achaenia longe obpyramidalia, ferruginea, 6mm longa, 2mm lata, superne spinellosa, apice margine dentato-coronata. Pappus albus, pluriseriatus, setis barbellasis, in annulum concretis duabus longioribus Inclusis 1.3cm longis.

Xinjiang (新疆): xhaosu (昭苏), Xinjaing August-1 Agricultura college (新疆八一农学院), 30. Ⅶ. 1974, 7400462 (**Typus**, PE).

3. **帕米尔艾苓菊** 新种 照片3

J. pamirica Shih, sp. nov.

A. *J. tapetode* differt foliis utrinque bicoloribus supra viridis, glabris, subtus cinnereis, dense tomentosis, involucris crateriformibus, phyllis exterioribus mediisque apice reclinatis.

Planta perennis, acaulis; radix crassiuscula, verticalis, caudices numerosos edens. Caudex crassus, squamis brunneis obtectus. Folia in apicem caudicis fasciculata, rosulata, ambitu anguste elliptica vel late linearia, pinnatipartita, ad basin sensim in petiolum brevem vel longe attenuata, petiolis inclusis 4.5—5cm longa, 0.5—1cm lata, segmentis lateralibus 2—4-jugis, elliptica vel obliqoe triangulatis, 2—3mm latis, sparium vel dense dispositis, apice obtusis, margine revolutis, undulatis vel obtuse dentatis, segmentis terminalibus anguste ellipticis vel ellipticis; omnina utrinque dichroa, supra viridia, glabra, subtus cinerea, dense tomentosa. Capitula ad apicem caudicis singularia et foliis rosularibus cincta. Involucrum crateriforme, mediore, 2cm in diametro. Involucri phylla 5-seriata; extima late lineari-lanceolata, 6mm longa, 1.5mm lata, extus sparsium arachinoideo-tomentosa, interiora longe triangulata, lanceolato-elliptica 5.5cm longa, 2mm lata, extus arachioidea et glandulosa, intima lanceolata, 1—1.3cm longa, 2.5—3mm lata, omnia laxe imbricata, exteriora et mediora apice longe

aristato-acuminata, reclinata. Corolla purpurea, 1.4cm longa, in stipitem 6mm lrngum gradatim attenuata. Achaenia nigro-brunnea, 4-costata, 4mm longa, 1.5—2mm lata, superne echinata, ad marginem dentato-coronulata. Pappus albus, multiseriatus, caducus, setis 1.3cm longis, breve barbellatis, in annulum concretis.

Xinjiang (新疆): Wuhia (乌恰) Alt. 2850m. 31. Ⅶ. 1961, Xinjiang August-1 Agricultural College, 1049 (**Typus**, PE)。

蓟属 (Cirsium)

1. **杭蓟** 新种

C. tianmushanicum Shih, sp, nov.

A *C. chinensi* Gardn. et Champ. foliis ellipticis vel ovatis, indivisis et corollis albis differt.

Planta perennis, ad 1m alta; caulis pro maxima parte glaber vel fere glaber, sub capitulo albo-arachinoideo-tomentosus. Folia superiora indivisa, elliptica vel raro ovata, basi in petiolos 2—2.5cm longos alatos attenuata, lamina 10—15cm longa, 6—7cm lata, margine serrurata, utrinque concoloria, viridia, sparsimme villis multicellularibus tecta. Capitula campanulata, 2—2.5cm in diametro, ad apicem caulis et ramorum singularia; phylla 8-seriata, imbricata, interioribus versus sensium longioribus, exteriora mediaque triangulariter lanceolata, ovato-lanceolata vel elliptica, spinulis 0.5—1mm longis inclusis 5—10 mm longa, 2—3mm lata, interiora anguste lineari elliptica, spinulis inclusis 1.6cm longa, 3.8mm lata, intima linearia vel late linearia, apice in appendicem scariosum dilatata. Flosculi albi; corolla 2.3cm longa, tubo 1.2cm longo. Achaenia oblique-anguste obovata, apice truncata, 4.7mm longa, 1.8mm lata, marginata, longitudinaliter striata. Pappus sordide albidus, pappi setae pluriseriatae, basi in annulum concretae, ab achaenio separatae, ad 2cm longa, plumosae, apices versus attenuatae.

Zhejiang (浙江): Tianmushan (天目山), in sylvis, 7. X.

1952, He Xian-yu (贺贤育), 713 (**Typus**, WUG)

矢车菊属 (Centaurea)

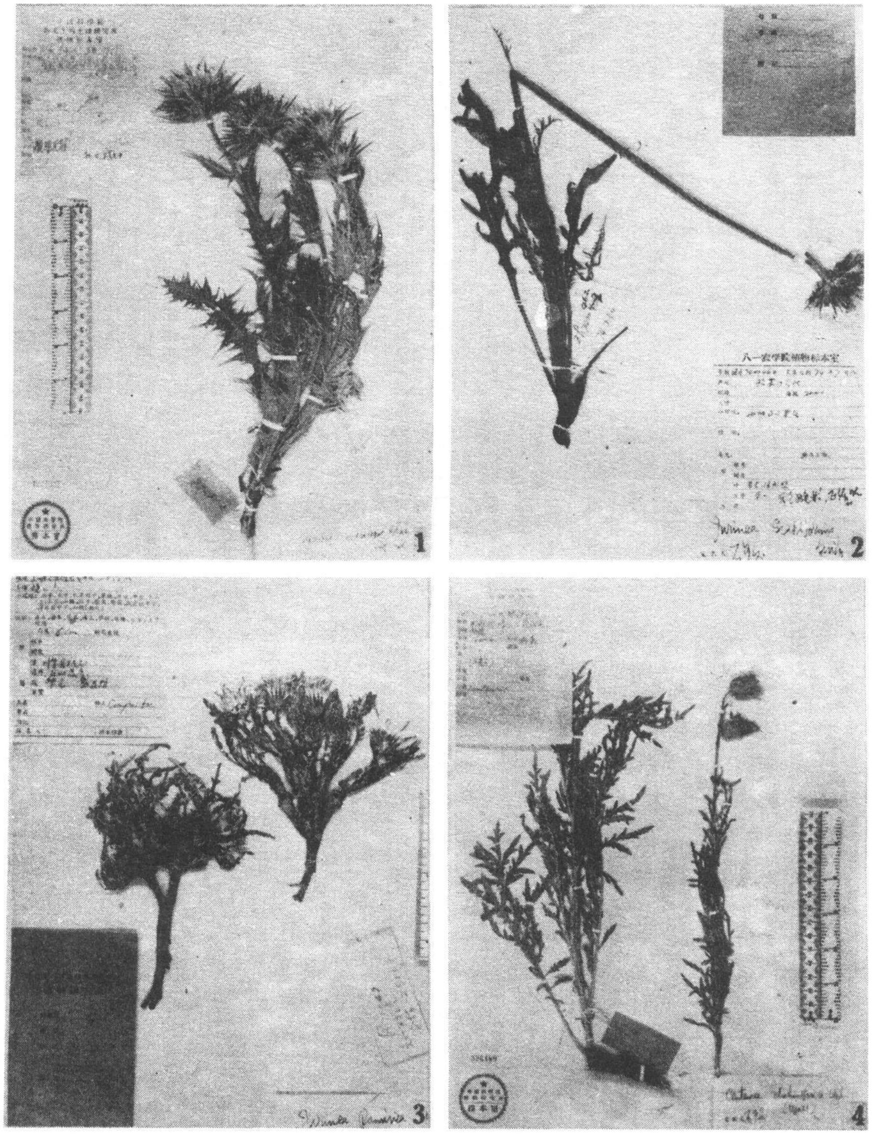
1. **多裂矢车菊** 新种 照片4

C. dschungarica Shih. sp. nov.

C. kasaki Iljin proxima, sed foliis bipinnatisectis deffert.

Planta perennis, 50—80cm alta, rhizomate ad 1cm crassa. Caules pauci et fasciculati, superne ramosi, raro simplices, striato-sulcati, glabri. Folia basalia inferioraque petiolis 2.5—6cm longis, ambitu oblanceolata, anguste elliptica vel obovata, 10—15cm longa, 6—7cm lata, bippinnatisecta, segmentis piimariis 10-jugis, mediis majoribus; lobis secundariis inaequilongis, margine dentatis; foliis caulina media basalibus et inferioribus similia, epetiolata, apicem versus diminuta; omnia utrinque concoloria, viridia, glabra. Capitula multiflora, ad apicem caulis et ramorum, raro solitaria. Involucrum ovoideum vel crateriforme, 1.5—2.5cm in diametro; receptaculum planum, cujus setae dentata; involucri phylla 6—7-seriata, exteriora late ovata, appendicibus exclusis 5—8mm longa, 5—8mm lata, interiora mediapue anguste elliptica vel lineari-lanceolata, appendicibus exclusis 1.5-1.4cm longa, 3—6 mm lata, omnia apice hyalino-membranaceo-appendiculata. Flosculi flavi. Achaenia anguste ellipsoidea, paulo compressa, 6—7mm longa, 2.5mm lata, pallide alba vel brunnea, glabra. Pappus brunneus, pappi setae 5—6mm longae.

Xinjiang (新疆): Shawan (沙湾), 26. Ⅶ. 1957, Kuan Ke-chien (关克俭) 2262 (**Typus**, PE); Zhaosu (昭苏), 11. Ⅷ. 1957, Kuan Ke-chien (关克俭) 3219; ibidem, alt. 2000m, in declive aprico, 26. Ⅶ. 1974, 74793.



1. 硬苞刺头菊 Cousinia sclerolepis Shih　　2. 长葶苁苓菊 Jurinea soapiformia Shih
3. 帕米尔苁苓菊 Jurineá pamirica Shih　　4. 多裂矢前菊 Centaurea dschungarica Shih